

# ABSTRACT

5 A local area network uses coaxial cable wiring for  
interconnection of terminal devices. A frequency selective  
network interface device is placed at the building point of  
entry or another point in the wiring to reflect network  
signals transmitted by terminal devices back into the  
building distribution to be received by other terminal  
10 devices. By reflecting network upstream signals back into  
the building as downstream signals, the network interface  
provides a path for terminal devices to transmit to and  
receive from other terminal devices.